

INSPECTION OF COMMERCIAL FEEDING STUFFS

Made for the
STATE DEPARTMENT OF AGRICULTURE

The inspection of commercial feeding stuffs reported in this bulletin was made under the direction of Honorable Andrew L. Felker, Commissioner of Agriculture. Mr. E. D. Sanborn, State Inspector, collected samples of 351 brands of feedings stuffs which were offered for sale in the State during the year ending May, 1930.

THE LAW

The New Hampshire law entitled an Act to Regulate the Sale of Concentrated Commercial Feeding Stuffs requires every manufacturer or dealer who shall sell or offer for sale any concentrated commercial feeding stuff to furnish with each package a clearly printed statement certifying the net weight of the feed contained in the package, the brand name or trademark under which the feed is sold, the name and address of the manufacturer, the ingredients of which the feed is composed, and a chemical analysis stating the minimum percentage only of protein, fat and carbohydrates, and the maximum percentage only of crude fiber. The chief purposes of the law are to protect the consumer against the careless or dishonest manufacturer and to enable him to buy more economically the feeds best suited to his needs. It requires that full information be available to the purchaser both as to the guaranteed analysis of the feed and the materials of which it is composed. The law when properly enforced prevents misbranding, adulteration and other fraudulent practices. The dealer who offers for sale a feeding stuff which has not been registered or which is not guaranteed in compliance with the law does not merit the consumer's patronage. The consumer's co-operation in refusing to buy any feed which does not conform to the law in every respect will not only help in the enforcement of the law but will at the same time afford himself its protection. The State official charged with the enforcement of the feeding stuffs law is the Commissioner of Agriculture.

CLASSIFICATION

In classifying the feeding stuffs here reported the class names under which they were offered to the consumer have been used. Table 1 shows the number in each class, the average price per 100 pounds, the average per cent of protein, the number of pounds of protein per \$1.00, the number deficient by one-half per cent protein, the average per cent of fat, the number of pounds of fat per \$1.00, and the number deficient by one-fourth per cent fat.

TABLE I.

Class	Number in Class	Average price per 100 pounds	Average per cent protein	Pounds of pro- tein per \$1.00	Number defic- ient $\frac{1}{2}$ per cent protein	Average per cent fat	Pounds of fat per \$1.00	Number defic- ient $\frac{1}{4}$ per cent fat
Alfalfa Meal	6	3.15	15.88	5.04	2	1.90	0.60	1
Beet Pulp	4	2.66	9.48	3.56	0	0.53	0.20	0
Brewers' Dried Grains.....	2	2.60	22.45	8.63	0	6.85	2.63	0
Calf Meal	5	5.25	23.83	4.54	2	5.52	1.05	0
Compounded Feed	20	2.29	10.05	4.39	2	3.87	1.69	4
36% Cottonseed Meal.....	6	2.40	35.93	14.97	3	6.05	2.52	0
41% Cottonseed Meal.....	4	2.54	39.95	15.73	2	6.79	2.67	0
43% Cottonseed Meal.....	3	2.66	42.34	15.92	2	6.76	2.54	0
Dairy Feed	93	2.60	20.92	8.05	12	4.44	1.71	8
Fish Meal	4	5.15	52.74	10.24	1	4.82	0.94	1
Gluten Feed	4	2.55	25.41	9.96	0	2.17	0.85	0
Gluten Meal	2	3.18	42.04	13.22	0	2.08	0.65	0
Hog Feed	1	3.00	18.26	6.09	0	4.84	1.61	0
Hominy Feed	4	2.28	10.09	4.43	0	5.12	2.25	1
Horse Feed	4	2.53	11.08	4.38	0	2.83	1.12	0
Linseed Meal	5	3.34	34.61	10.36	2	6.10	1.83	1
Meat and Bone Scrap.....	17	3.91	50.13	12.82	2	9.80	2.51	2

Mixing Feed	1	2.30	10.00	4.35	0	3.96	1.72	0
Oat Products	6	2.30	8.58	3.73	1	3.29	1.43	0
Poultry Feed	60	3.27	18.35	5.61	3	4.64	1.42	5
Skimmed Milk	5	8.83	34.19	3.87	0	0.27	0.03	2
Wheat Bran	36	2.06	15.54	7.54	4	4.78	2.32	0
Wheat Middlings	23	2.26	16.20	7.17	5	4.90	2.17	1
Wheat Mixed Feed	25	2.28	16.23	7.12	1	4.61	2.02	2
Wheat Red Dog	5	2.49	16.87	6.78	2	4.65	1.86	0
Wheat Shorts	6	2.18	16.79	7.70	1	5.33	2.45	1
	351				47			29

NUMBER OR SAMPLES FAILING TO COMPLY WITH THE LAW

Only 163 of the 351 brands analyzed, complied with the law in every respect. The 188 which did not fully comply with the law violated it on 237 counts. Sixty-three brands or 17.9 per cent were deficient in protein; 46 of these or 13.1 per cent were deficient one-half per cent or more. Forty-two brands or 12.0 per cent were deficient in fat; 28 of these or 8.0 per cent were deficient one-fourth per cent or more. Fourteen brands contained an excessive amount of crude fiber. Fifty-eight brands were deficient in carbohydrates. Fifty-seven brands were offered for sale without a carbohydrate guarantee. On three brands the sliding scale guarantee was used. The use of the sliding scale guarantee is a violation of the law and in the following pages only the maximum guarantee is shown when the sliding scale guarantee has been used. In the tabulation of the analytical data deficiencies of one-half per cent or more of protein and of one-fourth per cent or more of fat are shown in italics.

REQUESTS FOR THE ANALYSIS OF FEEDING STUFFS

The Department is frequently asked to make an analysis of a feeding stuff for the consumer. This service is gladly rendered when the circumstances warrant it. Samples should be drawn from at least five bags, preferably ten, in a manner to insure that the small lot sent for analysis is accurately representative of the larger lot from which it is taken. A one-pound sample is sufficient for the analysis. It should be sent in a glass jar or tin box to prevent the loss of fine particles and a change in the moisture content. In order that the Department may know whether or not the manufacturer and the dealer are complying with all the requirements of the law, the following information should be submitted concerning each sample:

Brand
Manufacturer
Address
Guarantee:
 Protein
 Fat
 Carbohydrates
 Crude Fiber
Ingredients
Dealer
Address
Number of bags in lot.....
Number of bags sampled
Price per 100 pounds.....
Sender's Name
Address
Reason for requesting analysis

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuff					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
ALFALFA MEAL						
Yakima Valley Alfalfa Products..... (Pleasant Brand)	G. 11.00	1.30	70.00	....	....	35.00
Alfalfa Products Co.,..... Toppensish, Wash.	F. 12.42	1.90	69.31	7.81	8.56	....
Chicken Greens..... California Hawaiian Milling Co.,..... San Francisco, Cal.	G. 20.00 F. 19.52	2.50 2.50	 57.99	 10.65	 9.34	18.00
Alfalfa Meal..... A. B. Caple Co.,..... Toledo, Ohio	G. 12.00 F. 13.56	1.00 1.81	40.00 66.66	 7.71	 10.26	35.00
Alfalfa Meal Triple XXX..... Denver Alfalfa Milling and Products Co.,... Lamar, Col.	G. 13.00 F. 15.27	1.00 1.44	68.00 66.54	 8.81	 7.94	33.00
Velvet Meal..... Pecos Valley Alfalfa Mill Co.,..... Hagerman, New Mexico	G. 17.00 F. 16.59	1.50 1.89	40.00 61.81	 10.82	 8.89	23.00
Atlas Poultry Greens..... A. W. Scott Co.,..... San Francisco, Cal.	G. 20.00 F. 17.91	2.00 1.88	35.00 54.97	 16.14	 9.10	18.00
BEET PULP						
Dried Molasses-Beet Pulp..... American Beet Sugar Co.,..... East Grand Forks, Minn.	G. 8.00 F. 10.26	0.50 0.84	74.00 75.79	 5.62	 7.49	20.00
						Residue of sugar beets dried after extrac- tion of sugar.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
COMPOUNDED FEED (Continued)						
Park & Pollard Stock Feed	G. 8.50	4.00	50.00	.....	.....	Barley, corn, hominy feed, oat hulls, oat middlings, oat shorts, calcium carbonate, salt.
Park & Pollard Co. Boston, Mass.	F. 8.09	4.64	71.55	6.08	9.64	
Puritan Stock Feed	G. 10.00	4.50	50.00	.....	.....	Corn, hominy, wheat middlings, linseed meal, barley, oat middlings, oat shorts, oat hulls, molasses, salt.
W. N. Potter & Sons	F. 10.57	4.04	69.89	5.12	10.38	
Greenfield, Mass.						
Purina Stock Feed	G. 7.20	2.30	67.00	.....	.....	Corn meal, wheat middlings, molasses, oat middlings, oat shorts, oat hulls, 2% iodized salt.
Purina Mills	F. 9.32	2.83	71.00	6.34	10.51	
Buffalo, N. Y.						
Quaker Sugared Schumacker Feed	G. 10.00	3.25	60.00	.....	.....	Corn, hominy feed, barley meal, cottonseed meal, linseed meal, low grade wheat flour, wheat middlings with ground screenings not exceeding mill run, oat middlings, oat shorts, oat hulls, ¾ % salt, 1% calcium carbonate, 1% bone meal, molasses.
Quaker Oats Co. Chicago, Ill.	F. 11.07	3.60	70.14	5.54	9.65	
Richford White Diamond Stock Feed.....	G. 9.00	3.00	74.00	.....	.....	Corn, hominy feed, barley meal, oat mid- dlings, oat shorts, oat hulls, ¾ % salt, 1% calcium carbonate, 1% bone meal.
Quaker Oats Co..... Chicago, Ill.	F. 9.76	3.74	72.35	5.02	9.13	
Stratton & Co.'s Stock Feed.....	G. 7.50	2.83	66.00	.....	.....	Oat middlings, oat shorts, oat hulls, corn bran, corn siftings, corn meal.
Stratton & Co..... Concord, N. H.	F. 8.35	3.34	74.60	4.02	9.69	
36% COTTONSEED MEAL						
Atlas Standard Cotton Seed Meal.....	G. 36.00	5.50	27.00	.....	.....	
E. T. Allen Co..... Atlanta, Ga.	F. 36.59	5.77	43.22	6.54	7.88	

36% COTTONSEED MEAL (Continued)						
Paramount Brand Prime Cotton Seed Meal Ashcraft-Wilkinson Co., Atlanta, Ga.	G. 36.00 F. 34.52	5.00 5.79	27.00 46.50	5.79 6.72	7.40	14.00
Danish Brand Cotton Seed Feed Humphreys-Godwin Co., Memphis, Tenn.	G. 36.00 F. 35.48	5.00 5.87	25.00 43.72	6.72	8.21	15.00
White Mule Brand Good Cotton Seed Meal Marianna Sales Co., Memphis, Tenn.	G. 36.00 F. 34.29	5.00 6.28	28.50 43.41	6.11	9.91	14.00
Durham Thirty-Six Cotton Seed Meal Memphis Cotton Seed Products Co., Memphis, Tenn.	G. 36.00 F. 36.84	5.00 6.76	28.50 41.68	6.35	8.37	5.75
Good Cottonseed Meal Southern Cotton Oil Co., Fayetteville, N. C.	G. 36.00 F. 37.85	5.00 5.81	42.10	6.50	7.74	10.00
41% COTTONSEED MEAL						
Helmet Brand Prime Cotton Seed Meal Ashcraft-Wilkinson Co., Atlanta, Ga.	G. 41.00 F. 41.17	6.00 6.97	26.00 37.53	6.35	7.98	10.00
Miss Cairo Brand 41% Cottonseed Meal Cairo Meal & Cake Co., Cairo, Ill.	G. 41.00 F. 41.81	6.00 6.74	26.00 36.36	7.08	8.01	10.00
Dixie Brand Choice-Prime Cotton Seed Meal Humphreys-Godwin Co., Memphis, Tenn.	G. 41.12 F. 38.44	5.00 7.31	26.00 39.23	6.84	8.18	10.00
Durham Forty-One Prime Cotton Seed Meal Memphis Cotton Seed Products Co., Memphis, Tenn.	G. 41.00 F. 38.37	6.00 6.12	26.00 41.78	7.04	6.69	10.00

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
43% COTTONSEED MEAL							
Monarch Brand Prime Cotton Seed Meal..... Ashcraft-Wilkinson Co. Atlanta, Ga.	G. 43.00 F. 41.51	6.00 6.85	25.00 39.37	... 6.37	... 5.90	10.00	
Owl Brand 43% Prime Cotton Seed Meal F. F. W. Brode Corp..... Memphis, Tenn.	G. 43.00 F. 41.91	5.00 6.20	26.00 38.69	... 6.58	... 6.62	10.00 ...	
Bull Brand Cottonseed Meal..... Humphreys-Godwin Co. Memphis, Tenn.	G. 43.00 F. 43.59	5.00 7.23	26.00 32.68	... 7.91	... 8.59	10.00	
DAIRY FEED							
Amco June Pasture..... American Milling Co..... Peoria, Ill.	G. 10.00 F. 12.70	0.50 0.56	76.00 62.45	... 10.54	... 13.75	21.00 19.68	Alfalfa meal, molasses.
Amco 32% Supplement Dairy Ration..... American Milling Co. Omaha, Neb.	G. 32.00 F. 32.62	4.50 4.50	45.00 45.97	... 7.22	... 9.69	9.00 9.00	Corn gluten feed, corn gluten meal, cotton- seed meal, old process linseed meal, soy- bean meal, peanut meal, wheat bran, mo- lasses, bone meal, limestone.
Amco 24% Dairy Ration..... American Milling Co..... Peoria, Ill.	G. 24.00 F. 24.00	4.00 3.86	49.00 55.61	... 6.28	... 10.25	9.00 8.44	Corn gluten feed, corn gluten meal, cotton- seed meal, old process linseed meal, wheat bran, hominy feed, corn meal, oats, malt grains, soybean meal, barley, molasses, bone meal, limestone, salt.
Amco 20% Dairy Ration..... American Milling Co..... Peoria, Ill.	G. 20.00 F. 20.00	4.00 3.91	53.00 58.41	... 7.64	... 10.04	9.00 8.15	Corn gluten feed, corn gluten meal, cotton- seed meal, old process linseed meal, wheat bran, hominy feed, corn meal, oats, malt grains, soybean meal, barley, molasses, bone meal, limestone, salt.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
DAIRY FEED (Continued)						
Auburn Dairy Feed (Auburn Brand).....	G. 20.00	4.00	58.04	7.41	9.85	Corn gluten feed, old process linseed meal, oats, corn meal, grain screenings, cottonseed meal, wheat bran, barley, malt sprouts, molasses, 1% salt, 1% calcium carbonate.
Beacon Milling Co..... Cayuga, N. Y.	F. 20.51	4.19			9.85	
Beacon Sweet 24.....	G. 24.00	4.00	53.69	7.93	9.71	Old process linseed meal, corn gluten meal, cottonseed meal, corn gluten feed, corn meal, malt sprouts, wheat bran, oats, barley, molasses, 1% salt, 1% calcium carbonate.
Beacon Milling Co..... Cayuga, N. Y.	F. 24.65	4.02			9.71	
Beacon "20".....	G. 20.00	4.50	58.16	8.90	9.27	Old process linseed meal, soybean meal, cottonseed meal, corn gluten feed, corn gluten meal, corn meal, wheat bran, alfalfa meal, coconut oil cake meal, oats, barley, 1% salt, 1% calcium phosphate, 1% calcium carbonate.
Beacon Milling Co..... Cayuga, N. Y.	F. 19.00	4.67			9.27	
Belcoo Dairy Ration.....	G. 20.00	4.50	53.00	6.75	11.24	Corn meal, wheat bran, wheat middlings, oats, corn gluten feed, cottonseed meal, linseed meal, bone meal, calcium carbonate, salt.
Belknap County Farmers' Exchange..... Laconia, N. H.	F. 21.39	4.50	56.12		11.24	
Bidwell 24% Dairy Ration.....	G. 24.00	4.00	54.06	7.88	10.65	Wheat bran, linseed meal, barley, cottonseed meal, corn gluten feed, grain screenings, malt sprouts, corn gluten meal, molasses, calcium carbonate, salt.
Black Rock Milling Corp..... Buffalo, N. Y.	F. 23.41	4.00			10.65	
Centaur Fitting Ration.....	G. 12.00	4.00	68.03	4.44	11.06	Linseed meal, hominy feed, corn meal, wheat bran, bone, charcoal, salt, oats.
Chapin & Co..... Chicago, Ill.	F. 11.81	4.66			11.06	

DAIRY FEED (Continued)

Crosby's Balanced 25 Ration..... Crosby Milling Co.,..... Brattleboro, Vt.	G. 25.00 F. 23.71	4.75 4.90	55.00 55.03	 7.53	 8.83	9.00 9.00	Cottonseed meal, old process linseed meal, corn gluten meal, corn distillers' grains, corn gluten feed, wheat middlings, brew- ers' grains, corn meal, oats, wheat bran, bone meal, salt.
Crosby's Ready Ration..... Crosby Milling Co.,..... Brattleboro, Vt.	G. 20.00 F. 20.34	5.00 5.00	59.00 57.88	 5.98	 10.80	8.50 8.46	Corn gluten feed, linseed meal, cottonseed meal, corn meal, wheat bran, wheat mid- dlings, mill run screenings, oats, corn glu- ten meal, corn distillers' dried grains, brew- ers' dried grains, bone meal, $\frac{3}{4}$ % salt.
Crosby's 22% Dairy Feed..... Crosby Milling Co.,..... Brattleboro, Vt.	G. 22.00 F. 21.22	4.00 4.65	44.00 58.24	 7.03	 8.86	14.00 11.38	Cottonseed meal, linseed meal, corn gluten meal, corn gluten feed, oat middlings, oat shorts, oat hulls, wheat bran, wheat mid- dlings, bone meal, salt.
Champion Dairy Ration..... G. B. Carrier Co.,..... Colebrook, N. H.	G. 23.00 F. 23.16	5.00 5.00	50.00 55.83	 5.06	 10.95	11.00 8.29	Bran, cottonseed meal, gluten feed, gluten meal, linseed meal, oats, hominy, brewers' dried grains, distillers' grains, middlings, $\frac{3}{4}$ % salt, bone meal.
C. Dairy..... J. Cushing Co.,..... Exeter, N. H.	G. 17.00 F. 18.58	4.00 4.02	53.00 60.77	 7.01	 9.62	9.00 7.35	Corn meal, wheat bran, oats, gluten meal, gluten feed, cottonseed meal, linseed meal, stock feed, 2 % lime, 1 $\frac{1}{2}$ % salt.
Dairy Feed..... J. Cushing Co.,..... Fitchburg, Mass.	G. 24.00 F. 25.75	4.00 4.23	53.00 51.60	 8.04	 10.38	10.00 7.92	Wheat bran, wheat middlings, corn gluten feed, brewers' grains, coconut meal, cot- tonseed meal, old process linseed meal, soy- bean meal, molasses, corn feed meal, oats, wheat screenings, 1 % bone meal, 1 % cal- cium carbonate, 1 % salt.
Dairy Feed..... J. Cushing Co.,..... Fitchburg, Mass.	G. 20.00 F. 21.73	4.00 4.42	53.00 55.38	 8.14	 10.33	10.00 9.89	Wheat bran, corn gluten feed, wheat mid- dlings, brewers' grains, molasses, cotton- seed meal, soybean meal, corn feed meal, oats, coconut meal, old process linseed meal, wheat screenings, 1 % bone meal, 1 % calcium carbonate, 1 % salt.

DAIRY FEED (Continued)

Elmore's Superilage Elmore Milling Co. Oneonta, N. Y.	G. 12.00	2.00	50.00	6.42	10.84	15.00	Wheat bran, alfalfa meal, beet pulp, brewers' grains, molasses, calcium carbonate, salt.
	P. 15.23	3.82	63.69			14.34	
Elmore Feed Elmore Milling Co. Oneonta, N. Y.	G. 20.00	5.00	59.85	3.49	10.07	10.00	Brewers' grains, wheat bran, wheat middlings, linseed meal, beet pulp, corn gluten feed, corn meal, hominy feed, cottonseed meal, calcium carbonate, salt.
	P. 20.31	4.28				10.00	
Otisco Economy Ration Elmore Milling Co. Oneonta, N. Y.	G. 20.00	4.00	50.00	8.98	10.80	11.00	Old process linseed meal, cottonseed meal, corn gluten feed, wheat bran, corn gluten meal, corn meal, molasses, calcium carbonate, salt, oats, copra meal.
	P. 20.09	4.34	55.79			9.37	
Eschelman's Certified 20%, Dairy Ration John W. Eschelman & Son Lancaster, Pa.	G. 20.00	4.00	54.00	6.14	10.37	8.00	Corn gluten feed, hominy feed, oats, old process linseed meal, wheat bran, cotton seed meal, soybean meal, wheat middlings, corn distillers' dried grains, molasses, bone meal, calcium carbonate, salt.
	P. 21.41	4.32	57.76			8.00	
Eschelman's Lancaster 20 Dairy Feed John W. Eschelman & Son Lancaster, Pa.	G. 20.00	4.00	53.00	7.09	11.37	11.00	Wheat bran, corn gluten feed, wheat middlings, brewers' grains, molasses, cottonseed meal, soybean meal, corn feed meal, oats, coconut meal, old process linseed meal, wheat screenings, 1% bone meal, 1% calcium carbonate, 1% salt.
	P. 20.20	3.85	57.59			9.42	
Eschelman's Pennsy 16 Dairy Feed John W. Eschelman & Son Lancaster, Pa.	G. 16.00	3.00	55.00	8.27	11.07	11.00	Corn gluten feed, brewers' grains, cotton seed meal, soybean meal, molasses, corn nut meal, old process linseed meal, wheat middlings, wheat bran, oat middlings, oat hulls, oat shorts, wheat screenings, 1% bone meal, 1% calcium carbonate, 1% salt.
	P. 16.86	4.37	58.93			10.86	
Eschelman's Red Rose Dairy Feed John W. Eschelman & Son Lancaster, Pa.	G. 24.00	4.00	53.00	7.67	10.56	11.00	Wheat bran, wheat middlings, corn gluten feed, dried brewers' grains, coconut meal, cottonseed meal, old process linseed meal, soybean meal, molasses, corn feed meal, oats, 1% bone meal, 1% calcium carbonate, 1% salt.
	P. 24.62	4.41	52.74			8.92	

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure		Crude Fiber
DAIRY FEED (Continued)						
Filion's Dairy Feed..... J. A. Filion..... Newmarket, N. H.	G. 22.00 F. 22.55	4.00 4.00	50.00 58.32	... 6.53	... 8.60	Corn meal, wheat middlings, wheat bran, cottonseed meal, gluten feed, linseed meal, salt.
Grandin's Milk Maker..... D. H. Grandin Milling Co..... Jamestown, N. Y.	G. 20.00 F. 20.40	5.00 5.00	50.00 59.15	... 5.20	... 10.25	Linseed meal, cottonseed meal, coconut meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hom- iny feed, beet pulp, salt, wheat bran and wheat middlings may contain screenings not exceeding mill run.
Grandin's Twin Six 12 Dairy Feed..... D. H. Grandin Milling Co..... Jamestown, N. Y.	G. 22.00 F. 24.92	5.00 5.20	50.00 53.42	... 6.08	... 10.38	Linseed meal, cottonseed meal, coconut meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hom- iny feed, alfalfa meal, salt, wheat bran and wheat middlings may contain screenings not exceeding mill run.
M.S. (Money Saver) 24% Sweet Dairy Feed..... D. H. Grandin Milling Co..... Jamestown, N. Y.	G. 24.00 F. 24.76	4.00 4.84	50.00 52.02	... 8.22	... 10.16	Cottonseed meal, corn gluten meal, linseed meal, wheat bran, wheat middlings, barley, corn meal, corn feed meal, hominy feed, grain screenings, molasses, bone meal, cal- cium carbonate, salt.
Grandin's Sweetened 20% Dairy Feed.... D. H. Grandin Milling Co..... Jamestown, N. Y.	G. 20.00 F. 21.26	4.00 4.45	50.00 55.08	... 8.84	... 10.37	Linseed meal, cottonseed meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, mo- lasses, bone meal, calcium carbonate, salt, wheat bran and wheat middlings may con- tain screenings not exceeding mill run.

DAIRY FEED (Continued)

M-S 20% Sweet Dairy Feed..... D. H. Grandin Milling Co., Jamestown, N. Y.	G. 20.00 F. 21.27	4.00 5.64	50.00 54.40	 8.21	 10.48	12.00 11.09	Cottonseed meal, corn gluten feed, linseed meal, wheat bran, wheat middlings, barley, corn meal, corn feed meal, hominy feed, grain screenings, molasses, bone meal, calcium carbonate, salt.
Grandin's Sweetened 16% Dairy Feed..... D. H. Grandin Milling Co., Jamestown, N. Y.	G. 16.00 F. 17.03	4.00 4.24	50.00 60.74	 6.90	 11.09	10.00 6.49	Linseed meal, cottonseed meal, corn gluten feed, wheat bran, wheat middlings, corn meal, corn feed meal, hominy feed, barley, molasses, bone meal, calcium carbonate, salt, wheat bran and wheat middlings may contain screenings not exceeding mill run.
Bemis 20% Dairy Feed..... E. C. & W. L. Hopkins, Greenfield, N. H.	G. 20.00 F. 20.86	4.00 4.58	55.00 57.64	 5.89	 11.03	9.00 8.35	Wheat bran, oats, corn meal, linseed meal, corn gluten feed, cottonseed meal, 1% salt.
Cheshire County Special 24% Dairy Feed..... E. C. & W. L. Hopkins, Greenfield, N. H.	G. 24.00 F. 24.00	4.00 4.06	48.00 54.52	 7.39	 10.03	12.00 8.32	Gluten feed, corn meal, old process linseed meal, wheat bran, cottonseed meal, malt grains, molasses, barley, calcium carbonate, salt.
Money Maker Sweetened Dairy Feed..... E. C. & W. L. Hopkins, Greenfield, N. H.	G. 20.00 F. 20.62	3.50 3.91	50.00 57.25	 7.48	 10.74	11.00 9.74	Corn meal, gluten feed, cottonseed meal, old process linseed meal, malt grains, wheat bran, molasses, calcium carbonate, salt.
International Special Dairy Feed..... International Sugar Feed Co., Minneapolis, Minn.	G. 15.00 F. 14.08	4.50 5.31	59.00 58.89	 10.43	 11.29	12.00 11.19	Old process linseed meal, cottonseed meal, soybean meal, corn gluten feed, wheat bran, molasses, screenings from flax, wheat, oats, and barley, salt, calcium carbonate, bone meal.
Beatsall Milk Grains..... Kusco Mills Waverly, N. Y.	G. 22.00 F. 22.46	4.50 4.84	50.00 56.07	 7.20	 9.43	10.00 9.13	Wheat bran, wheat middlings, linseed meal, corn gluten feed, cottonseed meal, hominy feed, 3/4 % salt, 1 % calcium carbonate, beet pulp.
Kimball's Special Dairy Feed..... Kimball Grain Elevator, Salem, N. H.	G. 20.00 F. 20.00	5.00 5.27	59.00 57.32	 6.67	 10.74	9.00 8.41	Corn gluten meal, corn gluten feed, corn meal, cottonseed meal, oats, wheat bran, old process linseed meal, salt, wheat middlings, hominy meal, brewers' dried grains, corn distillers' dried grains, bone meal.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
DAIRY FEED (Continued)						
Larro, The Ready Ration.....	G. 20.00	4.00	57.00	5.91	10.54	12.00
Larroe Milling Co., Detroit, Mich.	F. 20.93	4.55	58.07			11.43
B-B Marmico Dairy Feed	G. 16.00	4.00	57.83	8.58	11.24	12.00
Maritime Milling Co., Buffalo, N. Y.	F. 18.02	4.33				9.90
Bull Brand B-B Dairy Ration Sweetened	G. 24.00	5.00	53.97	8.49	10.11	12.00
Maritime Milling Co., Buffalo, N. Y.	F. 22.71	4.71				11.85
Bull Brand B-B Red-E-Mixt Dairy Feed Sweetened	G. 20.00	5.00	56.55	8.62	10.74	10.00
Maritime Milling Co., Buffalo, N. Y.	F. 20.23	4.46				9.21
Bull Brand B-B Hi-Test Dairy Feed 20% Sweetened	G. 20.00	4.50	54.13	8.76	10.09	12.00
Maritime Milling Co., Buffalo, N. Y.	F. 22.35	4.67				10.53

Corn meal, cottonseed meal, corn gluten feed, old process linseed meal, wheat bran, wheat middlings, beet pulp, $\frac{3}{4}$ % salt.

Corn gluten feed, cottonseed meal, linseed meal, brewers' dried grains, wheat bran, oat hulls, oat shorts, oat middlings, screenings, molasses, calcium carbonate, bone meal, salt.

Brewers' grains, malt grains, linseed meal, cottonseed meal, corn gluten feed, hominy feed, corn gluten meal, wheat bran, wheat middlings, molasses, calcium carbonate, bone meal, corn meal, salt, screenings not exceeding mill run.

Molasses, brewers' grains, corn meal, wheat bran, wheat middlings, corn gluten feed, corn gluten meal, cottonseed meal, linseed meal, calcium carbonate, bone meal, $\frac{3}{4}$ % salt, may contain screenings not exceeding mill run.

Cottonseed meal, wheat bran, corn gluten meal, corn gluten feed, oats, old process linseed meal, brewers' grains, malt grains, hominy feed, grain screenings, molasses, calcium carbonate, bone meal, corn meal, salt.

DAIRY FEED (Continued)

Merrimack Dairy Ration	G. 20.00	4.00	50.00	...	...	10.00	Corn gluten feed, linseed meal, cottonseed meal, corn meal, wheat bran, wheat middlings, oats, $\frac{3}{4}$ % salt, 2 % calcium carbonate, 1 % bone meal.
Merrimack Farmers' Exchange	F. 20.91	4.79	56.42	8.36	9.52	8.36	
Concord, N. H.							
Merrimack Dry Cow and Young Stock Ration	G. 14.00	4.00	60.00	...	...	8.00	Oats, corn meal, wheat bran, linseed meal, 2 % calcium carbonate, 1 % salt, 1 % bone meal.
Merrimack Farmers' Exchange	F. 15.37	4.75	62.52	6.88	10.48	7.49	
Concord, N. H.							
Merrimack Sweetened Milk-Ration	G. 20.00	4.50	53.00	...	...	8.50	Corn gluten meal, corn gluten feed, old process linseed meal, cottonseed meal, brewers' dried grains, corn meal, hominy feed, oats, wheat bran, wheat middlings, molasses, bone meal, calcium carbonate, salt.
Merrimack Farmers' Exchange	F. 21.28	4.52	57.27	7.06	9.87	7.33	
Concord, N. H.							
Noyes' Dairy Feed Sweetened	G. 22.00	4.50	56.00	...	...	9.00	Cottonseed meal, old process linseed meal, white hominy or corn meal, oats, bran, gluten, 1 % salt, lime, bone meal.
D. A. Noyes & Son	F. 20.51	4.50	55.58	7.56	11.85	8.46	
Colebrook, N. H.							
Bet-R-Milk 20 % Ration	G. 20.00	4.00	50.00	...	...	9.00	Corn gluten feed, linseed meal, cottonseed meal, malt sprouts, wheat bran, wheat middlings, may contain mill run screenings, hominy feed, fish meal, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 21.71	4.08	55.12	7.42	11.67	7.93	
Boston, Mass.							
Herdheth 16 % Ration	G. 16.00	3.50	50.00	...	...	9.00	Corn gluten feed, hominy feed, oats, cottonseed meal, wheat bran, may contain mill run screenings, wheat middlings, molasses, fish meal, calcium carbonate, salt.
Park & Pollard Co.	F. 16.44	4.09	60.29	7.62	11.56	7.43	
Boston, Mass.							
Milk Maid Sweetened 24 % Dairy Ration ..	G. 24.00	4.50	50.00	...	...	11.00	Corn gluten feed, linseed meal, cottonseed meal, distillers' dried grains, wheat bran, may contain mill run screenings, brewers' dried grains, malt sprouts, corn gluten meal, copra meal, corn meal, fish meal, molasses, calcium carbonate, salt.
Park & Pollard Co.	F. 24.13	4.50	53.15	7.74	10.48	9.09	
Boston, Mass.							
A. D. P. 24 % Dairy Ration	G. 24.00	4.00	52.00	...	...	10.00	Corn, hominy, cottonseed meal, corn gluten meal, wheat bran, oats, linseed meal, calcium carbonate, bone meal, salt.
W. N. Potter & Sons	F. 25.17	4.37	54.59	5.74	10.13	8.22	
Greenfield, Mass.							

DAIRY FEED (Continued)

Proteina 20% Dairy Feed (More Milk)..... Purina Mills Buffalo, N. Y.	G. 20.00 F. 21.61	2.50 4.54	54.00 56.87	7.13	9.85	12.00 11.34	Cottonseed meal, corn gluten feed, oat shorts, oat hulls, oat middlings, grain screenings, wheat middlings, wheat bran, molasses, 1% iodized salt.
Quaker 24% Protein Dairy Ration..... Quaker Oats Co. Chicago, Ill.	G. 24.00 F. 24.42	4.00 4.47	57.00 55.31	6.71	9.09	12.00 10.97	Hominy feed, cottonseed meal, linseed meal, corn gluten feed, wheat bran, wheat middlings, screenings not exceeding mill run, oat middlings, oat hulls, oat shorts, 3/4% salt, 1% calcium carbonate, 1% bone meal, molasses.
Quaker 20% Protein Dairy Ration..... Quaker Oats Co. Chicago, Ill.	G. 20.00 F. 20.97	3.25 4.13	57.00 57.04	7.77	10.09	12.00 12.00	Hominy feed, barley meal, cottonseed meal, corn gluten feed, linseed meal, wheat bran, wheat middlings, screenings not exceeding mill run, oat middlings, oat shorts, oat hulls, 3/4% salt, 1% calcium carbonate, 1% bone meal, molasses.
Quaker 16% Dairy Ration..... Quaker Oats Co. Chicago, Ill.	G. 16.00 F. 17.58	3.50 3.58	59.50 61.91	7.69	9.24	13.50 13.98	Hominy feed, barley meal, cottonseed meal, linseed meal, gluten feed, wheat bran, wheat middlings, wheat screenings, oat middlings, oat hulls, oat shorts, 3/4% salt, 1% calcium carbonate, 1% bone meal, molasses.
Dairy Feed..... Frank Smith Corp. Lancaster, N. H.	G. 22.00 F. 22.32	6.00 4.94	50.00 57.37	5.64	9.73	10.00 10.00	Wheat bran, corn meal, oats, molasses, cottonseed meal, gluten feed, provender, brewers' dried grains, distillers' dried grains.
Spaulding's Dairy Feed..... F. B. Spaulding Co. Lancaster, N. H.	G. 20.00 F. 21.20	4.00 4.16	50.00 56.25	6.90	11.49	12.00 9.36	Wheat bran, cottonseed meal, linseed meal, gluten feed, corn meal or hominy feed, oats, 1% salt, 1% calcium carbonate, mill run screenings.
Hygrade 24 Sweetened Milk Ration..... St. Albans Grain Co. St. Albans, Vt.	G. 24.00 F. 24.19	4.00 4.11	50.00 53.47	7.67	10.56	9.00 8.49	Corn gluten meal, corn gluten feed, old process linseed meal, cottonseed meal, brewers' dried grains, corn meal, oats, barley, wheat bran, wheat middlings, bone meal, calcium carbonate, salt, molasses.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
DAIRY FEED (Continued)						
Hygrade 20 Milk Ration Sweetened..... St. Albans Grain Co..... St. Albans, Vt.	G. 20.00 F. 20.00	4.00 4.31	54.00 58.81	... 6.15	... 10.73	8.50 8.11
Wirthmore Balanced Ration 25%..... St. Albans Grain Co..... St. Albans, Vt.	G. 25.00 F. 27.28	5.00 5.12	55.00 54.41	... 6.35	... 9.74	9.00 8.31
Wirthmore 20 Protein Dairy Feed..... St. Albans Grain Co..... St. Albans, Vt.	G. 20.00 F. 20.60	5.00 5.12	59.00 59.22	... 5.20	... 9.86	8.50 8.47
Wirthmore 14 Fitting Ration..... St. Albans Grain Co..... St. Albans, Vt.	G. 11.00 F. 14.66	4.00 4.54	65.00 62.77	... 6.90	... 11.13	7.00 5.93
Strafford County Dairy Feed..... Strafford County Grain Mill..... Rochester, N. H.	G. 18.00 F. 18.54	5.00 4.65	50.00 58.96	... 7.07	... 10.78	9.00 7.81
Stratton's White Clover Dairy 24% Feed. Uibiko Milling Co..... Cincinnati, Ohio	G. 24.00 F. 23.60	4.50 4.50	44.00 52.62	... 9.56	... 9.72	9.00 9.00
						Old process linseed meal, cottonseed meal, brewers' dried grains, corn gluten meal, corn gluten feed, corn meal, oats, barley, wheat bran, wheat middlings, molasses, bone meal, calcium carbonate, salt. Oats, corn gluten meal, corn distillers' dried grains, old process linseed meal, corn gluten feed, brewers' dried grains, cottonseed meal, wheat middlings, corn meal, wheat bran, bone meal, salt. Corn gluten meal, corn distillers' dried grains, old process linseed meal, brewers' dried grains, cottonseed meal, corn gluten feed, corn meal, oats, wheat middlings, wheat bran, bone meal, salt. Old process linseed meal, oats, barley, corn meal, wheat bran, wheat middlings, molasses, fish meal, bone meal, salt. Bran, corn meal, oats, linseed meal, gluten feed, cottonseed meal, salt, bone meal. Gluten feed, hominy, old process linseed meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, molasses, bone meal, calcium carbonate, salt.

DAIRY FEED (Continued)									
Stratton's White Clover Dairy 20% Feed. Uniko Milling Co., Cincinnati, Ohio	G.	20.00	4.50	48.00	11.75	....	9.00	Gluten feed, hominy, old process linseed meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, molasses, bone meal, calcium carbonate, salt.	
	F.	20.29	3.81	53.95	10.20	....	8.36		
Union Grains 24% Dry Dairy Ration Uniko Milling Co., Cincinnati, Ohio	G.	24.00	5.00	50.00	10.64	....	10.00	Corn distillers' dried grains, cottonseed meal, old process linseed meal, wheat middlings, wheat bran, hominy meal, corn gluten feed, brewers' dried grains, 1% calcium carbonate, 1/2 % salt.	
	F.	23.24	5.12	51.97	9.03	....	8.64		
Gold Medal Vitamin Dairy Ration Washburn Crosby Mills Minneapolis, Minn.	G.	20.00	5.00	60.00	7.63	....	8.50	Wheat germ, linseed meal, cottonseed meal, corn gluten feed, corn, oats, barley, wheat bran, wheat middlings, wheat red dog, 1% bone meal, 1% calcium carbonate, 1 1/2 % salt.	
	F.	21.65	5.37	55.63	9.72	....	7.32		
Blue Seal "20" Dairy Ration H. K. Webster Co., Lawrence, Mass.	G.	20.00	4.50	48.00	7.13	....	9.00	Gluten feed, hominy, old process linseed meal, oats, bran, cottonseed meal, corn distillers' grains, wheat middlings, molasses, bone meal, calcium carbonate, salt.	
	F.	20.36	4.78	56.86	10.87	....	7.94		
Blue Seal Improved Balanced Ration H. K. Webster Co., Lawrence, Mass.	G.	24.00	5.00	48.00	5.46	....	8.50	Gluten meal, hominy feed, old process linseed meal, oats, wheat bran, cottonseed meal, corn distillers' grains, malt sprouts, peanut middlings, molasses, Oregon mineral mixture.	
	F.	23.78	5.00	56.17	9.59	....	8.13		
Blue Seal Open Formula Dairy Feed. H. K. Webster Co., Lawrence, Mass.	G.	24.00	4.50	44.00	7.27	....	9.00	Gluten feed, hominy feed, old process linseed meal, oats, wheat bran, cottonseed meal, corn distillers' grains, wheat middlings, molasses, bone meal, calcium carbonate, salt.	
	F.	25.09	4.83	52.30	10.51	....	8.36		
Blue Seal Standard Dairy Feed H. K. Webster Co., Lawrence, Mass.	G.	20.00	4.50	50.00	6.14	....	8.50	Molasses, gluten meal, cottonseed meal, old process linseed meal, malt sprouts, peanut middlings, bran, hominy feed or corn meal, beet pulp, Oregon minerals.	
	F.	21.64	4.50	58.82	8.90	....	8.03		
X-L Dairy Ration. H. K. Webster Co., Lawrence, Mass.	G.	22.00	4.00	55.00	5.69	....	13.00	Gluten meal, old process linseed meal, cottonseed meal, malt sprouts, bran, oat feed, peanut middlings, molasses, wheat feed.	
	F.	24.09	4.89	55.66	9.67	....	12.88		

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
FISH MEAL						
Boston Pure Cod & Haddock Meal.....	G. 62.00	3.00	.....	26.16	7.73	.....
New England Rendering Co., Brighton, Mass.	F. 63.14	2.63	.....			.....
Man A Mar.....	G. 30.00	3.00	.....	36.06	5.31	4.00
Philip R. Park.....	F. 35.76	4.20	.....			3.06
San Pedro, Cal.						
Chic-Chuk.....	G. 45.00	0.50	.....	27.68	7.68	1.00
Russia Cement Co., Gloucester, Mass.	F. 61.06	2.85	.....			.....
Terrapin Brand Fish Meal.....	G. 55.00	6.00	.....	28.36	7.56	2.00
Seaboard Products Co., Baltimore, Md.	F. 53.73	9.58	.....			.....
GLUTEN FEED						
Cream of Corn Gluten Feed.....	G. 23.00	2.00	58.50	.....	8.75	8.50
American Maize Products Co., New York, N. Y.	F. 28.59	2.36	53.51	6.79		.....
Buffalo Corn Gluten Feed.....	G. 23.00	2.00	57.00	5.48	8.82	8.56
Corn Products Refining Co., New York, N. Y.	F. 24.32	2.49	58.89			.....
Douglas Sweetened Corn Gluten Feed.....	G. 20.00	1.00	59.00	7.28	10.36	7.00
Penick & Ford Ltd. Inc., Cedar Rapids, Iowa	F. 22.03	2.50	57.81			.....
Staley's Corn Gluten Feed.....	G. 23.00	1.00	50.00	6.76	9.39	8.00
A. E. Staley Mfg. Co., Decatur, Ill.	F. 26.71	1.33	55.81			.....

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to (Contain	
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure		Crude Fiber
HORSE FEED (Continued)							
Park and Pollard Horse Feed.....	G. 10.00	3.50	60.00	...	...	9.00	Corn, oats, linseed meal, wheat bran, molasses, ½ % salt.
Park & Pollard Co..... Boston, Mass.	F. 10.24	3.77	69.07	2.91	14.01	9.00	
Horse Power Feed.....	G. 10.00	2.80	68.50	...	...	11.00	Corn, oats, linseed meal, alfalfa meal, oat middlings, oat shorts, oat hulls, ¾ % salt, molasses.
Quaker Oats Co..... Chicago, Ill.	F. 10.79	3.15	68.81	4.91	12.34	10.86	
LINSEED MEAL							
Pure Old Process Linseed Meal.....	G. 34.00	5.00	45.00	...	...	9.00	
Archer-Daniels Midland Co..... Minneapolis, Minn.	F. 32.74	4.73	46.11	6.23	10.19	...	
Maple Leaf Linseed Oil Cake Meal.....	G. 34.00	5.00	...	...	...	9.00	
Canada Linseed Oil Mills Ltd..... Montreal, Canada	F. 32.57	6.03	46.43	6.01	9.02	...	
Linseed Oil Cake Meal, Old Process.....	G. 34.00	6.50	40.50	...	...	8.00	
Dominion Linseed Oil Co..... Montreal, Canada	F. 34.00	7.17	45.33	5.78	7.72	...	
Screwpress Meal.....	G. 35.00	6.50	...	...	...	7.50	
Sherwin-Williams Co. of Canada..... Montreal, Canada	F. 36.25	7.10	44.44	5.35	6.86	...	
Kellogg's Pure Old Process Linseed Meal.....	G. 34.00	5.00	45.00	...	...	10.00	
Spencer Kellogg & Sons..... Buffalo, N. Y.	F. 37.57	5.48	41.45	5.67	9.83	...	

Corn, oats, linseed meal, wheat bran, molasses, $\frac{1}{2}\%$ salt.

Corn, oats, linseed meal, alfalfa meal, oat middlings, oat shorts, oat hulls, $\frac{3}{4}\%$ salt, molasses.

MEAT AND BONE SCRAP

Burlington Meat & Bone Scrap..... Burlington Rendering Co. Burlington, Vt.	G. 45.00 F. 45.73	8.00 8.19	.....	32.04	8.57	.....
Dow's 60% Beef Scrap..... John C. Dow Co. Boston, Mass.	G. 60.00 F. 60.00	10.00 14.18	.....	18.73	7.05	.....
Dow's 50% Beef Scrap..... John C. Dow Co. Boston, Mass.	G. 50.00 F. 50.41	10.00 4.92	.....	30.05	9.36	.....
Dow's Ground Beef Scraps..... John C. Dow Co. Boston, Mass.	G. 45.00 F. 45.11	10.00 10.81	.....	31.58	6.94	.....
Peerless Poultry Feed..... Lowell Rendering Co. Lowell, Mass.	G. 45.00 F. 45.00	8.00 9.37	.....	35.21	7.71	.....
Perfection Poultry Feed..... Lowell Rendering Co. Lowell, Mass.	G. 55.00 F. 54.13	8.00 8.93	.....	27.46	7.18	.....
Premium Poultry Feed..... Lowell Rendering Co. Lowell, Mass.	G. 45.00 F. 46.86	8.00 8.35	.....	34.42	4.66	Meat and bone scraps.
Manchester Poultry Feed..... Manchester Rendering Co. Manchester, N. H.	G. 45.00 F. 49.10	8.00 9.97	.....	30.28	7.17	.....
Manchester Special Poultry Feed..... Manchester Rendering Co. Manchester, N. H.	G. 50.00 F. 50.00	8.00 9.48	.....	30.84	6.75	.....
Marsh's Diamond Special Pure Gr'd Scraps..... Geo. E. Marsh Co. Lynn, Mass.	G. 50.00 F. 49.64	10.00 13.49	.....	26.96	6.74	.....

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Staffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure		Crude Fiber
MEAT AND BONE SCRAP (Continued)						
Morse's Meat Scraps	G. 45.00	8.00	.....	.....	.....	.....
Jas. F. Morse & Co., Somerville, Mass.	F. 45.00	9.45	.....	31.77	7.04	.....
Morse's Meat Scraps	G. 55.00	8.00	.....	.....	.....	.....
Jas. F. Morse & Co., Somerville, Mass.	F. 55.51	9.67	.....	21.73	6.99	.....
Brighton Bull Meat Scraps	G. 45.00	8.00	.....	.....	.....	1.00
New England Rendering Co., Brighton, Mass.	F. 47.74	8.93	.....	32.82	5.64	.....
The Northern Cooked Meat & Bone Scrap.	G. 50.00	10.00	.....	.....	.....	.....
Northern Meat & Products Corp., Augusta, Maine	F. 45.74	13.33	.....	31.35	6.59	.....
Portland Perfection Scrap	G. 65.00	10.00	.....	.....	.....	.....
Portland Rendering Co., Portland, Maine	F. 70.89	9.29	.....	13.26	5.63	.....
Register Brand Meat and Bone Scrap	G. 45.00	6.00	.....	.....	.....	.....
John Reardon & Sons Co., Cambridge, Mass.	F. 45.59	9.97	.....	35.16	5.91	.....
Prosperity Worcester Poultry Feed	G. 45.00	8.00	.....	.....	.....	Meat and bone scraps.
Worcester Rendering Co., Auburn, Mass.	F. 45.69	8.44	.....	34.46	7.56	.....
MIXING FEED						
Dealer's Mixing Feed with Molasses	G. 10.00	3.50	.....	.....	.....	12.00
Maritime Milling Co., Buffalo, N. Y.	F. 10.14	3.96	67.06	5.79	13.05	10.45

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
POULTRY FEED (Continued)						
Beacon Egg Mash	G. 21.00	4.50	53.63	11.53	8.66	7.00
Beacon Milling Co., Cayuga, N. Y.	F. 21.59	4.59				5.57
Beacon Fleshing Mash	G. 14.00	4.50	51.00	6.68	9.78	6.00
Beacon Milling Co., Cayuga, N. Y.	F. 15.24	4.98	63.32			5.52
Beacon Growing Mash	G. 17.00	4.00	58.11	9.98	9.85	7.00
Beacon Milling Co., Cayuga, N. Y.	F. 17.45	4.61				5.81
Cayuga Laying Mash	G. 20.00	4.00	53.82	11.75	9.45	7.00
Beacon Milling Co., Cayuga, N. Y.	F. 20.18	4.80				6.23
Chapin Toasted Kernels Lay-All	G. 16.00	3.50	55.00	11.03	9.66	5.50
Chapin & Co., Hammond, Ind.	F. 17.91	3.59	57.81			4.58

Buttermilk, skim milk, meat scrap, bone meal, fish meal, corn gluten meal, barley, oats, corn meal, alfalfa leaf meal, wheat bran, wheat middlings, 2 1/2 % calcium carbonate, 1 1/2 % calcium phosphate, 1/2 % salt, 1 % protozyme.

Buttermilk, skim milk, meat scrap, old process linseed meal, wheat bran, corn meal, oats, wheat low grade flour, alfalfa leaf meal, 3/4 % salt, 1 % protozyme, 1 % calcium carbonate, 1 % calcium phosphate.

Buttermilk, skim milk, meat scrap, bone meal, old process linseed meal, oats, barley, corn meal, wheat red dog, alfalfa leaf meal, wheat bran, wheat middlings, 2 % calcium carbonate, 1 % calcium phosphate, 1/2 % salt, 2 % protozyme.

Buttermilk, skim milk, fish meal, meat scrap, corn meal, alfalfa leaf meal, wheat bran, wheat middlings, barley, corn gluten meal, oats, 2 % calcium carbonate, 1 % calcium phosphate, 1/2 % salt.

Meat scraps, buttermilk, oats, corn meal, wheat flour, corn gluten meal, wheat bran, milo, wheat middlings, hominy feed, alfalfa meal, molasses, salt, charcoal, bone meal, 2 % calcium carbonate.

POULTRY FEED (Continued)

Chase Growing Mash David C. Chase Smithtown, N. H.	G. 15.00 F. 15.64	5.00 5.00	50.00 60.32	 9.36	 9.68	9.00 7.82	Corn meal, oat meal, wheat bran, wheat middlings, meat scraps, bone meal, charcoal, salt, buttermilk.
Chase Laying Mash David C. Chase Smithtown, N. H.	G. 19.00 F. 19.31	5.00 5.00	48.00 55.83	 10.12	 9.74	8.00 7.47	Corn meal, oat meal, wheat bran, wheat middlings, meat scrap, corn gluten feed, buttermilk, salt, charcoal.
Corson No. 1 Laying Mash Freeman Corson Rochester, N. H.	G. 17.00 F. 15.22	5.00 4.00	57.00 58.33	 10.13	 12.32	7.00 5.89	Wheat bran, wheat middlings, corn meal, oat meal, barley, meat and fish scraps, alfalfa leaf meal, salt.
Coveco Laying Mash E. A. Coveco Co. Fitchburg, Mass.	G. 20.00 F. 21.71	4.00 4.92	45.00 52.47	 9.58	 11.32	7.50 6.69	Wheat bran, oats, barley, gluten feed, linseed meal, meat scraps, wheat middlings, fish scraps, corn meal, salt, calcium carbonate.
Crosby's Egg Mash Crosby Milling Co. Brattleboro, Vt.	G. 20.00 F. 20.09	4.00 4.44	50.00 53.59	 10.50	 11.38	7.00 5.91	Buttermilk, skim milk, fish meal, meat scraps, corn gluten feed, linseed meal, alfalfa leaf meal, corn, oats, barley, buckwheat, wheat bran, wheat middlings, mill run screenings, calcium carbonate, % salt.
C Laying Mash J. Cushing Co. Exeter, N. H.	G. 15.00 F. 21.14	4.00 4.57	55.00 53.91	 10.39	 9.99	8.50 7.53	Corn meal, wheat bran, wheat middlings, oats, meat scraps, bone meal, alfalfa meal, 1% salt.
Growing Mash J. Cushing Co. Fitchburg, Mass.	G. 16.00 F. 17.38	4.00 4.90	45.00 60.15	 6.34	 11.23	8.00 6.03	Dried buttermilk, meat and fish scraps, wheat middlings, corn feed meal, wheat bran, corn gluten feed, oats, hominy feed, old process linseed meal, alfalfa meal, ½ % salt.
Laying Mash J. Cushing Co. Fitchburg, Mass.	G. 20.00 F. 20.10	5.00 5.49	50.00 55.65	 7.91	 10.85	7.00 5.44	Meat and fish scrap, buttermilk, wheat middlings, corn feed meal, wheat bran, corn gluten feed, oats, hominy feed, old process linseed meal, alfalfa meal, ½ % salt.
Dunbar's Special Mash W. E. Dunbar Sons Manchester, N. H.	G. 20.00 F. 21.51	5.00 4.63	50.00 55.37	 8.91	 9.58	6.00 5.83	Hominy, gluten feed, wheat middlings, oats, wheat bran, beef scraps.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	
POULTRY FEED (Continued)						
Eastern States Egg Mash	G. 16.50	4.00	54.00	12.21	10.61	Corn meal, wheat bran, wheat flour, mid- dlings, oats, meat scraps, fish meal, alfalfa leaf meal, bone meal, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F. 17.63	4.85	54.70	12.21	10.61	
Eastern States Milk Egg Mash	G. 16.50	4.00	54.00	13.35	10.39	Corn meal, wheat bran, wheat flour mid- dlings, oats, meat scraps, fish meal, alfalfa leaf meal, buttermilk, bone meal, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F. 18.04	4.93	53.29	13.35	10.39	
Eastern States Starting and Growing Mash	G. 16.00	4.00	55.00	6.30	10.37	Corn meal, wheat bran, wheat flour mid- dlings, oat groats, dried buttermilk, alfalfa leaf meal, bone meal, fish meal, meat scraps, salt.
Eastern States Farmers' Exchange Springfield, Mass.	F. 16.53	4.99	61.81	6.30	10.37	
Chixsaver	G. 14.00	4.00	64.88	6.17	12.09	Dried buttermilk, oat meal, flour, meat meal, bone meal, wheat middlings, second clear wheat flour, corn meal, hominy feed, cod liver oil, ½ % salt.
Elmore Milling Co. Onconta, N. Y.	F. 13.42	3.44	64.88	6.17	12.09	
Elmore Egg Mash	G. 18.00	4.00	55.59	9.32	11.29	Buttermilk, meat scraps, second clear flour, oats, wheat middlings, corn meal, hominy feed, wheat bran, 1 % calcium carbonate, salt, cod liver oil, 1 % cod liver meal.
Elmore Milling Co. Onconta, N. Y.	F. 18.43	5.37	55.59	9.32	11.29	
Eshelman's Baby Chick Starter	G. 16.00	4.00	60.00	6.05	8.76	Oat meal, corn meal, wheat bran, wheat middlings, alfalfa leaf meal, buttermilk, fish scrap, 2 % old process linseed meal, 1 % bone meal, 1 % calcium carbonate.
John W. Eshelman & Sons Lancaster, Pa.	F. 16.76	4.76	63.67	6.05	8.76	
Eshelman's Broiler Ration	G. 16.00	4.00	55.00	7.55	11.11	Corn feed meal, wheat bran, wheat mid- dlings, oat meal, meat scrap, fish scrap, buttermilk, alfalfa leaf meal, 3½ % raw bone meal, 2 % old process linseed meal, ½ % salt.
John W. Eshelman & Sons Lancaster, Pa.	F. 19.46	4.49	57.39	7.55	11.11	

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
POULTRY FEED (Continued)						
Granite State Egg Mash with Manamar. E. C. & W. L. Hopkins Greenfield, N. H.	G. 19.00 F. 18.15	5.50 4.27	50.00 55.19	..83	12.56	4.50 4.92
All-Mash Laying Food Kasco Mills Waverly, N. Y.	G. 15.00 F. 15.55	4.00 4.42	55.00 61.66	..81	11.56	6.00 4.82
Kasco All Mash Chick Food Kasco Mills Waverly, N. Y.	G. 16.00 F. 16.53	4.00 4.74	55.00 61.30	..81	10.39	5.50 4.06
Kasco Growing Mash Kasco Mills Waverly, N. Y.	G. 19.00 F. 19.63	4.00 4.80	50.00 55.99	10.13	9.45	5.50 4.84
Larro Chick Starter Larroe Milling Co. Detroit, Mich.	G. 14.00 F. 16.66	4.50 4.88	61.50 60.42	6.97	11.07	6.50 4.09
Larro Egg Mash Larroe Milling Co. Detroit, Mich.	G. 19.00 F. 19.31	5.00 5.06	53.00 53.59	12.46	9.58	8.00 6.72
						Corn, wheat middlings, wheat bran, barley, meat scraps, alfalfa leaf meal, kelp, fish, calcium carbonate, salt.
						Corn meal, oat meal, wheat bran, wheat middlings, wheat red dog flour, linseed meal, corn gluten feed, meat and bone scrap, fish meal, buttermilk, $\frac{3}{4}$ % salt, 1 % calcium carbonate, cod liver oil, alfalfa meal.
						Wheat, red dog flour, oatmeal, wheat mid- dlings, wheat bran, corn meal, meat scraps, bone meal, old process linseed meal, but- termilk, $\frac{3}{4}$ % salt, cod liver oil, 1 % cal- cium carbonate.
						Wheat red dog flour, oat meal, wheat mid- dlings, wheat bran, corn meal, linseed meal, meat scrap, buttermilk, bone meal, $\frac{3}{4}$ % salt, 1 % calcium carbonate, cod liver oil.
						Hominy feed, oatmeal, wheat middlings, buttermilk, alfalfa meal, meat scrap, bone meal.
						Oatmeal, wheat middlings, hominy feed, meat scrap, wheat bran, buttermilk, alfalfa meal, bone meal, $\frac{3}{4}$ % salt, $\frac{3}{4}$ % calcium carbonate.

POULTRY FEED (Continued)

B-B Bull Brand All Mash Growing Ration Maritime Milling Co. Buffalo, N. Y.	G. 16.00 F. 15.73	4.00 5.21	60.46	8.12	10.48	7.00 5.20	Cod liver oil, buttermilk, corn meal, oats, wheat middlings, alfalfa leaf meal, wheat bran, meat meal, fish meal, linseed meal, bone meal, calcium carbonate, salt.
Bull Brand B-B Laying Mash Maritime Milling Co. Buffalo, N. Y.	G. 20.00 F. 20.26	5.00 5.05	52.71	10.74	11.24	8.00 6.74	Buttermilk, old process linseed meal, wheat bran, wheat middlings, corn gluten meal, meat meal, corn meal, oat meal, alfalfa meal, bone meal, fish meal, calcium carbonate, salt, mill run screenings.
B-B Daisy Egg Mash Maritime Milling Co. Buffalo, N. Y.	G. 18.00 F. 18.26	3.50 4.53	58.17	8.51	10.53	9.00 7.48	Buttermilk, alfalfa meal, corn meal, corn gluten meal, wheat bran, wheat middlings, oats, barley, meat scrap, fish meal, bone meal, calcium carbonate, salt, mill run screenings.
Arthur's Mash McQuesten & Lewis Manchester, N. H.	G. 14.00 F. 13.77	4.00 4.00	60.00 63.19	6.83	12.21	7.00 6.45	Corn, wheat, beef scraps, skim milk, fish meal, alfalfa, charcoal, bone meal, sulphur, Epsom salts, salt.
Poultry Mash McQuesten & Lewis Manchester, N. H.	G. 18.00 F. 21.23	2.50 4.25	60.00 54.20	8.98	11.34	7.00 5.94	Corn meal, alfalfa meal, oats, linseed meal, gluten meal, wheat bran, wheat middlings, bone meal, beef scraps, fish meal, buttermilk.
Merrimack Laying Mash Merrimack Farmers' Exchange Concord, N. H.	G. 17.00 F. 17.74	4.25 4.87	50.00 55.91	10.31	11.17	5.00 4.15	Corn meal, wheat bran, red dog, wheat middlings, oat groats, oats, alfalfa leaf meal, milk, fish meal, meat scraps, bone meal, calcium carbonate, salt.
Merrimack Super Mash Merrimack Farmers' Exchange Concord, N. H.	G. 18.00 F. 19.48	5.00 5.32	50.00 56.60	8.79	9.81	5.00 4.83	Corn meal, wheat bran, wheat middlings, alfalfa leaf meal, oat groats, meat scraps, fish meal, milk, bone meal, calcium carbonate, salt.
Lay or Bust Dry Mash Park & Pollard Co. Boston, Mass.	G. 18.00 F. 21.06	3.00 3.26	40.00 54.30	10.86	10.52	8.00 5.28	Corn, wheat, oats, barley, kafir corn, buckwheat, alfalfa, fish meal, bone meal, wheat bran, mill run of screenings, wheat middlings, calcium carbonate, salt, buttermilk.

POULTRY FEED (Continued)

Wirthmore Laying Mash St. Albans Grain Co. St. Albans, Vt.	G. 20.00 F. 20.00	4.00 4.86	50.00 55.02	 10.48	 9.64	7.00 5.52	Buttermilk, skim milk, beef scraps, fish meal, corn meal, alfalfa leaf meal, linseed meal, corn gluten feed, wheat bran, wheat middlings, oats, barley, buckwheat, milo maize, calcium carbonate, salt.
Wirthmore Turkey Starter St. Albans Grain Co. St. Albans, Vt.	G. 17.00 F. 17.00	4.00 4.93	55.00 59.73	 7.82	 10.52	5.00 3.58	Cod liver meal, buttermilk, skim milk, alfalfa leaf meal, fish meal, beef scraps, bone meal, wheat bran, wheat middlings, oats, wheat, corn meal, corn germ meal, calcium carbonate salt.
Stafford County Mash Stafford County Grain Mill Rochester, N. H.	G. 17.00 F. 20.18	5.00 5.11	57.00 53.99	 10.44	 10.28	10.00 4.89	Bran, middlings, oats, corn meal, gluten feed, meat scraps, rolled oats, hominy.
Uhlko All Mash, Complete Laying Ration. Uhlko Milling Co. Cincinnati, Ohio	G. 16.00 F. 17.51	3.50 4.61	56.00 58.45	 8.58	 10.82	6.00 4.93	Meat scrap, buttermilk, cod liver oil, wheat bran, wheat middlings, oats, corn meal, alfalfa leaf meal, old process linseed meal, corn gluten feed, 1½% bone meal, ½% salt, 1% calcium carbonate.
Washburn's Gold Medal Chick Starter Washburn Crosby General Mills Minneapolis, Minn.	G. 18.00 F. 19.07	4.00 4.57	55.00 53.33	 13.65	 9.36	5.00 5.53	Buttermilk, meat scraps, corn feed meal, wheat middlings, oat flour, corn meal, alfalfa meal, red dog flour, 2% calcium carbonate, 3% bone meal.
Washburn's Gold Medal Vitamin Egg Mash Washburn Crosby General Mills Minneapolis, Minn.	G. 20.00 F. 20.40	5.50 5.50	53.50 54.74	 9.21	 10.15	7.00 5.76	Corn feed meal, meat scraps, buttermilk, corn gluten feed, linseed meal, oat meal, wheat middlings, alfalfa meal, wheat red dog, bone meal, ½% limestone, ½% salt.
Blue Seal Improved All-Mash Ration H. K. Webster Co. Lawrence, Mass.	G. 15.00 F. 15.79	4.50 4.50	55.00 61.46	 6.83	 11.42	4.00 4.07	Corn, wheat, oats, bran, flour middlings, meat scraps, skim milk, bone meal, molasses, salt, cod liver meal, alfalfa leaf meal.
Blue Seal Milk Mash H. K. Webster Co. Lawrence, Mass.	G. 16.00 F. 17.43	4.00 4.13	56.00 58.00	 10.01	 10.43	6.00 5.62	Bran, flour middlings, corn meal, oats, alfalfa leaf meal, meat scraps, fish meal, skim milk, bone meal, salt, cod liver meal.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber	
POULTRY FEED (Continued)							
University Laying Mash.....	G. 16.50	3.50	55.00	10.12	10.74	7.00	Corn meal, wheat bran, wheat flour mid- dlings, oats, meat scraps, fish meal, alfalfa leaf meal, bone meal, salt, cod liver meal.
H. K. Webster Co., Lawrence, Mass.	F. 16.64	4.31	58.19			5.21	
SKIMMED MILK							
Buell-Boston Dried Skim Milk.....	G. 31.00	0.20	50.65	8.36	4.17	....	....
B & B Dairy Co., Boston, Mass.	F. 36.68	0.14				....	
Dairylea Dried Skim Milk.....	G. 33.00	0.75	51.85	8.20	5.98	....	....
Dairymen's League Utica, N. Y.	F. 33.69	0.28				....	
Butterfly Brand Dried Skimmed Milk.....	G. 32.00	0.25	35.00	8.43	6.42	....	....
S. T. Edwards & Co., Chicago, Ill.	F. 32.84	0.26	52.05			....	
Dried Skimmilk.....	G. 30.00	0.50	50.95	8.61	6.71	....	....
Land O'Lakes Creameries Minneapolis, Minn.	F. 33.50	0.23				....	
Skim Milk Powder.....	G. 30.00	0.20	51.44	8.54	5.55	....	....
Whiting Milk Co., Boston, Mass.	F. 34.23	0.24				....	
WHEAT BRAN							
Cannonvalley Pure Wheat Bran.....	G. 14.50	4.50	60.00	5.85	10.75	10.00	....
Cannon Valley Milling Co., Minneapolis, Minn.	F. 14.86	4.77	63.77			....	

WHEAT BRAN (Continued)

Wheat Bran	G. 14.50	3.50	53.00	...	...	11.50	...
Dominion Flour Mills	F. 15.74	5.06	63.07	5.59	10.54	...	...
Montreal, Canada							
Duluth Imperial Wheat Bran	G. 14.00	3.75	60.00	...	...	13.00	Screenings not exceeding mill run.
Duluth Superior Milling Co.	F. 17.48	5.59	59.89	5.18	11.86	...	...
Duluth, Minn.							
Sunshine Wheat Bran	G. 13.50	3.00	64.50	...	...	9.00	Screenings not exceeding mill run.
J. F. Easley Milling Co.	F. 14.56	4.47	61.19	7.14	12.64	...	...
Plainwell, Mich.							
Dairy Maid Winter Wheat Bran	G. 12.50	2.50	57.00	...	...	13.00	Screenings not exceeding mill run.
Federal Mill & Elevator Co.	F. 13.60	3.78	64.57	6.66	11.39	...	...
Lockport, N. Y.							
Lucky Bran	G. 14.00	3.00	60.00	...	...	12.00	Wheat bran, screenings not exceeding mill run.
Federal Mill & Elevator Co.	F. 15.22	5.97	61.77	6.68	11.26	...	...
Lockport, N. Y.							
Pure Wheat Bran	G. 14.50	3.50	60.00	...	...	11.00	...
Gooch Milling & Elevator Co.	F. 15.96	4.73	60.30	6.71	12.30	...	...
Lincoln, Neb.							
Blackhawk Pure Wheat Bran	G. 15.00	3.20	62.00	...	...	12.00	...
International Milling Co.	F. 16.57	5.06	59.00	7.11	12.26	...	...
Minneapolis, Minn.							
Pure Wheat Bran	G. 16.00	3.50	58.00	...	...	11.00	...
Ismert-Hincke Milling Co.	F. 16.00	4.87	58.06	6.97	14.10	...	...
Kansas City, Kan.							
Wheat Bran and Wheat Screenings	G. 14.50	3.50	58.00	...	...	11.00	Wheat bran, wheat screenings not to exceed 8%.
Ismert-Hincke Milling Co.	F. 15.74	4.21	60.75	7.34	11.96	...	...
Kansas City, Kan.							
Big Flake Pure Wheat Bran	G. 15.00	3.50	49.00	...	...	11.00	...
Kansas Flour Mills Corp.	F. 16.22	3.64	61.43	7.38	11.33	...	...
Kansas City, Kan.							

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure		Crude Fiber
WHEAT BRAN (Continued)						
Pure Fancy Coarse Wheat Bran.....	G. 14.00	5.00	58.78	6.05	13.77	12.00
LaGrange Mills.....	F. 15.96	5.44				....
Red Wing, Minn.						
Lakewoods Wheat Bran.....	G. 15.00	3.50	64.11	5.93	11.12	11.50
Lake of the Woods Milling Co.....	F. 13.67	5.17				....
Montreal, Canada						
Farm King Bran.....	G. 14.00	3.00	60.00	6.69	13.98	10.00
Lawrenceburg Roller Mills Co.....	F. 16.83	4.44	58.06			....
Lawrenceburg, Ind.						
Pure Wheat Bran.....	G. 15.00	3.50	58.00	7.10	12.01	10.00
Larabee Flour Mills Co.....	F. 16.79	4.63	59.47			....
Kansas City, Mo.						
Wheat Bran.....	G. 13.00	3.50	51.00	6.91	11.17	11.50
Maple Leaf Milling Co.....	F. 15.17	5.69	61.06			....
Toronto, Canada						
Angelus Wheat Bran.....	G. 15.50	4.00	63.00	6.38	13.21	11.50
Middleport Flour Mills.....	F. 14.52	4.45	61.44			....
Middleport, N. Y.						
Fancy Bran.....	G. 15.50	5.00	62.01	6.43	10.64	9.50
Minot Flour Mill Co.....	F. 15.27	5.65				....
Minot, N. D.						
Big B Wheat Bran.....	G. 13.50	3.00	60.53	6.56	12.72	13.00
Moseley & Motley Milling Co.....	F. 14.41	5.78				....
Rochester, N. Y.						
Wheat bran, screenings not exceeding mill run.						
Bran screenings not exceeding mill run.						

Wheat bran, screenings not exceeding mill run.

Bran screenings not exceeding mill run.

WHEAT BRAN (Continued)

Pure Wheat Bran..... National Milling Co..... Toledo, Ohio	G. 14.00 F. 15.20	3.00 4.11	49.00 62.40	6.64	11.65	10.00
Pure Wheat Bran..... Northwestern Consolidated Milling Co..... Minneapolis, Minn.	G. 13.50 F. 16.66	4.00 5.08	62.00 58.41	6.34	13.51	12.00
Ogilvie's Wheat Bran..... Ogilvie Flour Mills Co..... Winnipeg, Canada	G. 14.00 F. 16.01	4.00 5.87	50.00 61.79	6.27	10.06	12.00
Pillsbury's Wheat Bran..... Pillsbury Flour Mills Co..... Minneapolis, Minn.	G. 14.00 F. 15.78	4.00 5.13	63.00 60.87	6.91	11.31	12.00
Ball Cow Bran..... Quaker Oats Co..... Peterborough, Ont.	G. 15.00 F. 15.26	3.50 5.35	67.00 62.99	5.23	11.17	10.00
Superior Wheat Bran..... Robin Hood Mills..... Moose Jaw, Canada	G. 15.00 F. 15.89	3.50 5.85	49.50 62.97	5.51	9.78	11.50
Occident Bran..... Russell-Miller Milling Co..... Minneapolis, Minn.	G. 14.00 F. 17.73	4.00 5.92	61.50 58.86	6.31	11.18	11.50
Alpine Canadian Pure Bran..... Sheffield Elevator Co..... Minneapolis, Minn.	G. 15.00 F. 15.00	3.50 5.39	62.00 62.06	5.74	11.81	11.50
Wheat Bran..... Spiller's Canadian Milling Co..... Calgary, Canada	G. 15.00 F. 15.00	3.50 4.32	64.62	4.63	11.43	11.50
Bran..... Standard Milling Co. of Canada..... Toronto, Ont.	G. 15.00 F. 15.55	3.50 4.43	51.80 65.05	5.79	9.18	11.50

Wheat bran, screenings not exceeding mill run.

Wheat bran, screenings not exceeding mill run.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbo- hy- drates	Ash	Moist- ure	Crude Fiber	
WHEAT BRAN (Continued)							
Bran	G. 14.00	3.00	45.00	5.79	12.30	10.00	Mill run of screenings.
F. W. Stock & Sons	F. 17.44	4.22	60.25	.....	.....	.....	.....
Hillsdale, Mich.							
Bran and Wheat Screenings	G. 13.50	3.50	64.20	.....	.....	12.00	Wheat bran, screenings not exceeding mill run.
David Stott Flour Mills	F. 13.24	5.25	64.28	6.35	10.88	.....	.....
Detroit, Mich.							
Stratton & Co.'s Fancy Bran	G. 15.00	4.00	64.00	5.08	11.41	11.00	Mill run of screenings.
Stratton & Co.	F. 13.99	4.35	64.57	.....	.....	.....	.....
Concord, N. H.							
Golden Leaf Feed	G. 14.00	4.00	60.72	6.14	11.64	.....	Wheat bran.
Tennant & Hoyt Co.	F. 16.21	5.29	.....	.....	.....	.....	.....
Lake City, Minn.							
Rowena Wheat Bran	G. 14.25	3.15	62.00	6.45	11.41	12.00	.....
Valley City Milling Co.	F. 13.39	3.99	64.76	.....	.....	.....	.....
Grand Rapids, Mich.							
Washburn's Gold Medal Bran	G. 14.00	4.00	63.00	6.11	10.94	12.00	Wheat bran, mill run wheat screenings.
Washburn Crosby Mills	F. 17.64	4.93	60.38	.....	.....	.....	.....
Minneapolis, Minn.							
Bran	G. 14.00	3.50	64.74	5.25	11.06	12.00	.....
Western Canada Flour Mills	F. 14.92	4.03	.....	.....	.....	.....	.....
Calgary, Canada							
WHEAT MIDDINGS							
Wingold Middlings	G. 17.00	5.50	61.10	4.25	10.21	9.40	Wheat middlings, screenings not exceeding mill run.
Bay State Milling Co.	F. 17.00	6.35	62.19	.....	.....	.....	.....
Winona, Minn.							

WHEAT MIDDINGS (Continued)									
Big Diamond Flour Middlings.....	G. 16.00	5.00	63.00	....	....	6.00	Screenings not exceeding mill run.		
Big Diamond Mills Co., Minneapolis, Minn.	F. 15.36	5.22	65.06	....	10.97	....			
Sunshine Wheat Middlings.....	G. 15.00	3.50	65.50	....	....	6.00	Screenings not exceeding mill run.		
J. F. Eesley Milling Co., Plainwell, Mich.	F. 14.50	4.72	63.99	....	11.58	....			
Eshelman's Wheat Flour Middlings.....	G. 16.00	4.00	....	....	....	6.00	Screenings not exceeding mill run.		
John W. Eshelman & Sons.....	F. 15.39	4.00	65.66	....	11.76	....			
Lancaster, Pa.									
Standard Middlings	G. 15.00	4.00	....	....	....	9.00	Screenings not exceeding mill run.		
Fairchild Milling Co., Cleveland, Ohio	F. 17.25	5.17	60.19	....	12.74	....			
Dairy Maid Middlings.....	G. 15.00	4.50	58.00	....	....	7.00	Wheat screenings not exceeding mill run.		
Federal Mill & Elevator Co., Lockport, N. Y.	F. 15.68	4.59	66.82	....	11.33	....			
Lucky Middlings	G. 15.50	4.50	58.00	....	....	7.50	Wheat middlings, wheat screenings not exceeding mill run.		
Federal Mill & Elevator Co., Lockport, N. Y.	F. 16.07	5.34	63.67	....	11.47	....			
Sphinx Fancy Flour Middlings.....	G. 15.50	4.00	59.00	....	....	6.00	Wheat middlings, second clear wheat flour, wheat screenings not exceeding mill run.		
Federal Mill & Elevator Co., Lockport, N. Y.	F. 16.19	5.14	63.87	....	11.53	....			
Granite State Flour Middlings	G. 14.00	4.00	50.00	....	....	8.00	Wheat middlings, red dog flour, less than mill run of screenings.		
E. C. & W. J. Hopkins.....	F. 16.17	4.07	64.56	....	11.86	....			
Greenfield, N. H.									
Blackhawk Standard Middlings	G. 16.00	4.50	60.50	....	....	8.50	Screenings not exceeding mill run.		
International Milling Co., Minneapolis, Minn.	F. 16.71	5.39	62.73	....	10.91	....			
Modoc	G. 16.00	4.00	64.00	....	....	4.00	Low grade wheat flour, wheat screenings.		
H. H. King Flour Mills Co., Minneapolis, Minn.	F. 17.67	4.16	63.04	....	12.18	....			

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber	
WHEAT MIDDINGS (Continued)							
Merrimack Red Dog Middlings.....	G. 16.00	4.00	50.00	2.33	11.06	4.00	Wheat middlings, second clear flour.
Merrimack Farmers' Exchange.....	F. 16.00	4.53	66.08			....	
Concord, N. H.							
Big B Wheat Middlings.....	G. 15.00	4.50	62.36	4.06	10.43	9.00	Wheat middlings, screenings not exceed- ing mill run.
Moseley & Motley Milling Co.....	F. 17.64	5.51	62.36			....	
Rochester, N. Y.							
Wheat Flour Middlings.....	G. 15.00	4.00	62.00	3.66	11.48	6.00	Wheat flour middlings, wheat screenings not exceeding mill run.
Northwestern Consolidated Milling Co....	F. 17.57	5.23	62.06			....	
Minneapolis, Minn.							
Wheat Standard Middlings.....	G. 15.00	4.00	53.00	4.89	10.11	9.50	Wheat middlings, wheat screenings.
Northwestern Consolidated Milling Co....	F. 17.43	6.38	61.19			....	
Minneapolis, Minn.							
Pillsbury's Standard B Middlings.....	G. 15.00	4.00	62.50	4.72	10.89	9.50	Wheat middlings, wheat screenings not ex- ceeding mill run.
Pillsbury Flour Mills Co.....	F. 16.14	5.66	62.59			....	
Minneapolis, Minn.							
Alta Hard Wheat Middlings.....	G. 15.00	4.50	61.50	3.82	10.00	8.50	Mill run of standard middlings and flour middlings.
Russell-Miller Milling Co.....	F. 17.77	5.91	62.50			....	
Minneapolis, Minn.							
Star Wheat Middlings.....	G. 15.00	4.00	62.50	4.45	12.20	9.50	Screenings not exceeding mill run.
Star & Crescent Milling Co.....	F. 17.65	4.74	60.96			....	
Chicago, Ill.							
Middlings.....	G. 16.00	4.00	50.00	3.31	11.98	7.00	
F. W. Stock & Sons.....	F. 16.14	3.68	64.89			....	
Hillsdale, Mich.							

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Stuffs					Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber
WHEAT MIXED FEED (Continued)						
Dairy Maid Mixed Feed.....	G. 14.50	3.50	57.00	5.22	10.42	8.50
Federal Mill & Elevator Co., N. Y., Lockport, N. Y.	F. 13.66	4.66	66.04	5.22	10.42	8.50
Granite State Mixed Feed.....	G. 15.00	4.00	55.00	4.10	11.79	8.50
E. C. & W. L. Hopkins.....	F. 16.91	4.82	62.38	4.10	11.79	8.50
Greenfield, N. H.						
Gold Mine Feed.....	G. 15.00	4.50	62.50	5.16	11.66	9.50
IL. ex. King Flour Mills Co., Minn., Minneapolis, Minn.	F. 16.57	5.10	61.31	5.16	11.66	9.50
Bull Brand B-B Heavy Mixed Feed.....	G. 15.00	4.00	63.86	3.94	10.83	8.00
Maritime Milling Co., Buffalo, N. Y.	F. 16.44	4.93	63.86	3.94	10.83	8.00
Merrimack Heavy Wheat Feed.....	G. 15.00	4.00	55.00	4.58	10.43	9.00
Merrimack Farmers' Exchange.....	F. 15.23	5.05	64.71	4.58	10.43	9.00
Concord, N. H.						
Montco Mixed Feed.....	G. 15.00	4.00	61.49	5.51	11.21	9.50
Montana Flour Mills Co., Great Falls, Montana	F. 16.66	5.13	61.49	5.51	11.21	9.50
National Feed.....	G. 15.00	3.75	49.00	6.07	11.35	10.00
National Milling Co., Toledo, Ohio	F. 17.34	4.38	60.86	6.07	11.35	10.00
Osota Feed.....	G. 15.00	4.50	49.00	5.57	11.13	10.00
National Milling Co., Toledo, Ohio	F. 15.79	5.28	62.23	5.57	11.13	10.00

WHEAT MIXED FEED (Continued)

Planet Feed Northwestern Consolidated Milling Co., Minneapolis, Minn.	G. 15.00 F. 18.11	4.09 4.83	63.00 59.85	4.60	12.61	8.00	Wheat bran, red dog wheat flour.
Wheat Mixed Feed Northwestern Consolidated Milling Co., Minneapolis, Minn.	G. 15.00 F. 17.46	4.00 5.28	61.50 59.86	5.03	12.37	8.50	Wheat bran, wheat flour middlings, wheat screenings.
Pillsbury Fancy Mixed Feed Pillsbury Flour Mills Co., Minneapolis, Minn.	G. 15.00 F. 17.09	4.00 4.78	63.50 62.29	4.01	11.83	8.50	Wheat red dog flour, wheat bran, screenings not exceeding mill run.
Occident Mixed Feed Russell Miller Milling Co., Minneapolis, Minn.	G. 15.00 F. 18.01	4.50 5.69	61.50 60.81	4.72	10.77	9.50	Bran middlings, red dog.
Wardmore Wheat Feed St. Albans Grain Co., St. Albans, Vt.	G. 15.00 F. 16.09	4.50 3.98	50.00 61.73	6.36	11.84	8.00	Wheat bran, feed flour, less than mill run of screenings.
Heavy Litchfield Mixed Feed F. W. Stock & Sons, Hillsdale, Mich.	G. 17.00 F. 16.66	4.00 4.09	60.00 62.48	4.54	12.23	8.00	Mill run screenings.
Superior Wheat Feed & Wheat Flour F. W. Stock & Sons, Hillsdale, Mich.	G. 16.00 F. 17.14	4.50 3.77	50.00 62.72	4.18	12.19	7.00	Mill run of screenings.
Columbus Heavy Mixed Feed David Stott Flour Mills, Detroit, Mich.	G. 14.50 F. 15.37	3.70 3.85	63.50 64.79	4.43	11.56	8.50	Wheat flour, bran, middlings, screenings not exceeding mill run.
Stratton & Co.'s Mixed Feed Stratton & Co., Concord, N. H.	G. 14.25 F. 13.89	4.11 4.19	62.00 63.67	5.19	11.15	7.13	Screenings not exceeding mill run.
Champion Mixed Feed Valley City Milling Co., Grand Rapids, Mich.	G. 15.00 F. 15.64	3.50 4.50	63.00 62.86	5.64	11.96	9.00	Screenings not exceeding mill run.

Brand and Manufacturer	Pounds in 100 lbs. of Feeding-Staffs						Certified by Manufacturer to Contain
	Protein	Fat	Carbohy- drates	Ash	Moist- ure	Crude Fiber	
WHEAT MIXED FEED (Continued)							
Gold Medal Fancy Mixed Feed.....	G. 15.00	4.00	65.50	....	....	7.50	Wheat bran, mill run wheat screenings, low grade wheat flour.
Washburn Crosby Mills..... Minneapolis, Minn.	F. 16.87	4.08	63.51	4.22	11.32	....	
WHEAT RED DOG FLOUR							
Red Dog.....	G. 17.00	4.00	63.00	....	....	4.00	
Buffalo Flour Mills Corp..... Buffalo, N. Y.	F. 15.62	4.15	66.18	2.98	11.07	....	
Blackhawk Wheat Red Dog.....	G. 16.00	3.50	64.00	....	....	4.00	
International Milling Co..... Minneapolis, Minn.	F. 15.49	3.78	67.45	1.76	11.52	....	
Red Dog Wheat Flour.....	G. 16.50	4.00	62.00	....	....	4.00	Low grade wheat flour.
King Midas Mill Co..... Minneapolis, Minn.	F. 18.49	5.40	58.47	6.03	11.61	....	
XXX Comet.....	G. 16.00	4.00	62.00	....	....	4.00	Red dog wheat flour.
Northwestern Consolidated Milling Co.... Minneapolis, Minn.	F. 16.97	4.91	63.51	2.95	11.66	....	
Pillsbury's XX Daisy.....	G. 16.00	4.00	62.00	....	....	4.00	Wheat red dog.
Pillsbury Flour Mills Co..... Minneapolis, Minn.	F. 17.76	4.99	62.83	2.67	11.75	....	

